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NOTICE OF ALLOWANCE AND FEE(S) DUE

24737

7590

04/29/2010

PHILIPS INTELLECTUAL PROPERTY & STANDARDS P.O. BOX 3001 BRIARCLIFF MANOR, NY 10510 EXAMINER

ALEMU, EPHREM

ART UNIT PAPER NUMBER

2821

DATE MAILED: 04/29/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/597,270	07/19/2006	William L. Keith	US040061US2	8725

TITLE OF INVENTION: ELECTRONIC BALLAST WITH TRANSFORMER INTERFACE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	07/29/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correcte maintenance fee notificate	correspondence including below or directed other	g the Patent, advance or terwise in Block 1, by (a	rders and notification of a) specifying a new corre	maintenance fees we espondence address;	ill be and/or	mailed to the current r (b) indicating a sepa	correspondence address as trate "FEE ADDRESS" for	
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							(Signature)	
							(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	R	ATTO	RNEY DOCKET NO.	CONFIRMATION NO.	
10/597,270	07/19/2006	•	William L. Keith			US040061US2	8725	
ΠΤLE OF INVENTION	: ELECTRONIC BALLA	AST WITH TRANSFOR	MER INTERFACE					
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nonprovisional	NO	\$1510	\$300	\$0		\$1810	07/29/2010	
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PLEASE NOTE: Unl recordation as set fortl	ess an assignee is identi h in 37 CFR 3.11. Comp	fied below, no assignee detion of this form is NO	data will appear on the Γ a substitute for filing a	patent. If an assign n assignment.	ee is io	dentified below, the de	ocument has been filed for	
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5. Change in Entity Stat	'	,		1111 (2) (1)			ED 1.07(.)(0)	
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Authorized Signature				Date				
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P.O. BOX 3001 BRIARCLIFF MANOR, NY 10510			ART UNIT	PAPER NUMBER		
			2821			
			DATE MAILED: 04/29/2010			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 755 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 755 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	Applicant(s)	
	10/597,270	KEITH ET AL.		
Notice of Allowability	Examiner	Art Unit		
	Ephrem Alemu	2821		
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comr IGHTS. This application is	in this application. If not included nunication will be mailed in due course. THIS	•	
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2. The allowed claim(s) is/are <u>2-7,10-14 and 16-22</u> .				
 Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	e been received. e been received in Applicat cuments have been receiv	ion No ed in this national stage application from the		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the requirements		
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 				
5. X CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.			
(a) 🛛 including changes required by the Notice of Draftspers	son's Patent Drawing Revi	ew (PTO-948) attached		
1) 🛭 hereto or 2) 🔲 to Paper No./Mail Date				
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date				
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t				
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT				
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☑ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Paper No 7. ☐ Examiner	nformal Patent Application Summary (PTO-413), ./Mail Date s Amendment/Comment s Statement of Reasons for Allowance		
	/Douglas W (Supervisory P	Owens/ atent Examiner, Art Unit 2821		

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DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In claim 16, line 13, reference numeral "166" has been deleted.

The change has been made to remove non-limiting reference numeral.

Allowable Subject Matter

- 2. Claims 2-7, 10-14 and 16-22 are allowed.
- 3. The following is an examiner's statement of reasons for allowance: The prior art of record fail to teach or suggest alone or in combination, the limitations: "generating an outboard signal in response to the external signal; wherein the generating an outboard signal in response to the external signal comprises shorting across a secondary winding of the transformer" as claimed in claim 2; "generating an internal signal in response to the inboard signal; monitoring the inboard signal on a primary winding of the transformer, and squaring up the inboard signal" in a manner claimed in claims 3 and 10; "generating an internal signal in response to the inboard signal; and utilizing the internal signal in a microprocessor; receiving a second internal signal from the microprocessor; generating a second inboard signal in response to the second internal signal; transmitting the second inboard signal across the transformer to generate a second outboard signal; generating a second external signal in response to the second outboard signal; and

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transmitting the second external signal to the external control system" in a manner claimed in claims 4 and 11; "the transformer comprises a primary winding and a secondary winding; the inboard signal has a lower duty cycle and a higher duty cycle; the lower duty cycle on the primary winding generates a lower voltage for the outboard signal on the secondary winding; and the higher duty cycle on the primary winding generates a higher voltage for the outboard signal on the secondary winding" as claimed in claim 16; "the outboard circuit comprises: a send circuit providing the external signal to the external control system; and a receive circuit receiving the external signal from the external control system" as claimed in claim 18; "wherein the inboard circuit comprises: a comparator providing the internal signal to the microprocessor; and an outgoing switch receiving the internal signal from the microprocessor" as claimed in claim 22. It is for these reasons in combination with all the other limitations in the independent claims 2, 3, 4, 10, 11, 16, 18 and 22, that claims 2, 3, 4-7, 10, 11-14, 16-17, 18-21 and 22 are allowable over prior art of record.

Conclusion

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ephrem Alemu whose telephone number is (571) 272-1818. The examiner can normally be reached on M-F 9:00 AM to 5:30 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas W Owens can be reached on (571) 272-1662. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

EA 3-19-10

/Douglas W Owens/ Supervisory Patent Examiner, Art Unit 2821 March 27, 2010